

Cooperativity: Free Response Practice

1. p. 18 of your notes provides 2 examples of cellular cooperativity. Skeletal muscle cells are another cell type requiring a high level of cooperativity among its parts. Explain how cooperation among THREE cell parts contributes to a skeletal muscles specialty.

How to answer the question:

- Identify what the FUNCTION of the cell is on scratch paper
- Identify 3 important organelles/cell parts related to this function on scratch paper
- Begin response by naming the cell and describing the cell function.
- Name the first organelle, describe its function as related to the CELL function.
- Repeat for the other 2 organelles/parts.

2. Organ System cooperativity is also imperative to maintain homeostasis.

For any TWO of the following four systems, explain how 3 different structures within that system interact to perform the system's overall function.

- A. Digestive System B. Endocrine System C. Circulatory System
D. Excretory System

How to answer the question:

Identify what the FUNCTION of the system is on scratch paper

- Identify 3 important structures related to this function on scratch paper
- Begin response by naming the system and describing its function.
- Name the first structure, describe its function as related to the SYSTEM function.
- Repeat for the other 2 parts.